



# SEQUENCE LISTING

<110> ConjuChem, Inc.  
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Bridon, Dominique  
Rasamoeliso, Michele  
Thibaudeau, Karen  
Huang, Xicai

<120> Long Lasting Anti-Angiogenic Peptides

<130> 500862001400

<140> 09/657,431

<141> 2000-09-07

<150> 60/153,406

<151> 1999-09-10

<150> 60/159,783

<151> 1999-10-15

<160> 41

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| Glu | Pro | Leu | Asp | Asp | Tyr | Val | Asn | Thr | Gln | Gly | Ala | Ser | Leu | Phe | Ser |
| 1   |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |     |     |
| Val | Thr | Lys | Lys | Gln | Leu | Gly | Ala | Gly | Ser | Ile | Glu | Glu | Cys | Ala | Ala |
|     |     | 20  |     |     |     | 25  |     |     |     |     |     | 30  |     |     |     |
| Lys | Cys | Glu | Glu | Asp | Glu | Glu | Phe | Thr | Cys | Arg | Ala | Phe | Gln | Tyr | His |
|     | 35  |     |     |     | 40  |     |     |     |     | 45  |     |     |     |     |     |
| Ser | Lys | Glu | Gln | Gln | Cys | Val | Ile | Met | Ala | Glu | Asn | Arg | Lys | Ser | Ser |
|     | 50  |     |     |     | 55  |     |     |     |     | 60  |     |     |     |     |     |
| Ile | Ile | Ile | Arg | Met | Arg | Asp | Val | Val | Leu | Phe | Glu | Lys | Lys | Val | Tyr |
| 65  |     |     | 70  |     |     |     |     | 75  |     |     |     |     |     | 80  |     |
| Leu | Ser | Glu | Cys | Lys | Thr | Gly | Asn | Gly | Lys | Asn | Tyr | Arg | Gly | Thr | Ser |
|     |     |     | 85  |     |     |     |     | 90  |     |     |     |     |     | 95  |     |
| Lys | Thr | Lys | Asn | Gly | Ile | Thr | Cys | Gln | Lys | Trp | Ser | Ser | Thr | Ser | Pro |
|     |     | 100 |     |     |     |     |     | 105 |     |     |     |     | 110 |     |     |
| His | Arg | Pro | Arg | Phe | Ser | Pro | Ala | Thr | His | Pro | Ser | Glu | Gly | Leu | Glu |
|     | 115 |     |     |     |     |     | 120 |     |     |     |     | 125 |     |     |     |
| Glu | Asn | Tyr | Cys | Arg | Asn | Pro | Asp | Asn | Asp | Pro | Gln | Gly | Pro | Trp | Cys |
|     | 130 |     |     |     | 135 |     |     |     |     | 140 |     |     |     |     |     |
| Tyr | Thr | Thr | Asp | Pro | Glu | Lys | Arg | Tyr | Asp | Tyr | Cys | Asp | Ile | Leu | Glu |
| 145 |     |     |     |     | 150 |     |     |     |     | 155 |     |     |     |     | 160 |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Cys | Glu | Glu | Glu | Cys | Met | His | Cys | Ser | Gly | Glu | Asn | Tyr | Asp | Gly | Lys | 165 | 170 | 175 |
| Ile | Ser | Lys | Thr | Met | Ser | Gly | Leu | Glu | Cys | Gln | Ala | Trp | Asp | Ser | Gln | 180 | 185 | 190 |
| Ser | Pro | His | Ala | His | Gly | Tyr | Ile | Pro | Ser | Lys | Phe | Pro | Asn | Lys | Asn | 195 | 200 | 205 |
| Leu | Lys | Lys | Asn | Tyr | Cys | Arg | Asn | Pro | Asp | Arg | Glu | Leu | Arg | Pro | Trp | 210 | 215 | 220 |
| Cys | Phe | Thr | Thr | Asp | Pro | Asn | Lys | Arg | Trp | Glu | Leu | Cys | Asp | Ile | Pro | 225 | 230 | 235 |
| Arg | Cys | Thr | Thr | Pro | Pro | Ser | Ser | Gly | Pro | Thr | Tyr | Gln | Cys | Leu |     | 245 | 250 | 255 |
| Lys | Gly | Thr | Gly | Glu | Asn | Tyr | Arg | Gly | Asn | Val | Ala | Val | Thr | Val | Ser | 260 | 265 | 270 |
| Gly | His | Thr | Cys | Gln | His | Trp | Ser | Ala | Gln | Thr | Pro | His | Thr | His | Asn | 275 | 280 | 285 |
| Arg | Thr | Pro | Glu | Asn | Phe | Pro | Cys | Lys | Asn | Leu | Asp | Glu | Asn | Tyr | Cys | 290 | 295 | 300 |
| Arg | Asn | Pro | Asp | Gly | Lys | Arg | Ala | Pro | Trp | Cys | His | Thr | Thr | Asn | Ser | 305 | 310 | 315 |
| Gln | Val | Arg | Trp | Glu | Tyr | Cys | Lys | Ile | Pro | Ser | Cys | Asp | Ser | Ser | Pro | 325 | 330 | 335 |
| Val | Ser | Thr | Glu | Gln | Leu | Ala | Pro | Thr | Ala | Pro | Pro | Glu | Leu | Thr | Pro | 340 | 345 | 350 |
| Val | Val | Gln | Asp | Cys | Tyr | His | Gly | Asp | Gly | Gln | Ser | Tyr | Arg | Gly | Thr | 355 | 360 | 365 |
| Ser | Ser | Thr | Thr | Thr | Thr | Gly | Lys | Lys | Cys | Gln | Ser | Trp | Ser | Ser | Met | 370 | 375 | 380 |
| Thr | Pro | His | Arg | His | Gln | Lys | Thr | Pro | Glu | Asn | Tyr | Pro | Asn | Ala | Gly | 385 | 390 | 395 |
| Leu | Thr | Met | Asn | Tyr | Cys | Arg | Asn | Pro | Asp | Ala | Asp | Lys | Gly | Pro | Trp | 405 | 410 | 415 |
| Cys | Phe | Thr | Thr | Asp | Pro | Ser | Val | Arg | Trp | Glu | Tyr | Cys | Asn | Leu | Lys | 420 | 425 | 430 |
| Lys | Cys | Ser | Gly | Thr | Glu | Ala | Ser | Val | Val | Ala | Pro | Pro | Pro | Val | Val | 435 | 440 | 445 |
| Leu | Leu | Pro | Asp | Val | Glu | Thr | Pro | Ser | Glu | Glu | Asp | Cys | Met | Phe | Gly | 450 | 455 | 460 |
| Asn | Gly | Lys | Gly | Tyr | Arg | Gly | Lys | Arg | Ala | Thr | Thr | Val | Thr | Gly | Thr | 465 | 470 | 475 |
| Pro | Cys | Gln | Asp | Trp | Ala | Ala | Gln | Glu | Pro | His | Arg | His | Ser | Ile | Phe | 485 | 490 | 495 |
| Thr | Pro | Glu | Thr | Asn | Pro | Arg | Ala | Gly | Leu | Glu | Lys | Asn | Tyr | Cys | Arg | 500 | 505 | 510 |
| Asn | Pro | Asp | Gly | Asp | Val | Gly | Gly | Pro | Trp | Cys | Tyr | Thr | Thr | Asn | Pro | 515 | 520 | 525 |
| Arg | Lys | Leu | Tyr | Asp | Tyr | Cys | Asp | Val | Pro | Gln | Cys | Ala | Pro | Ser |     | 530 | 535 | 540 |
| Phe | Asp | Cys | Gly | Lys | Pro | Gln | Val | Glu | Pro | Lys | Lys | Cys | Pro | Gly | Arg | 545 | 550 | 555 |
| Val | Val | Gly | Gly | Cys | Val | Ala | His | Pro | His | Ser | Trp | Pro | Trp | Gln | Val | 565 | 570 | 575 |
| Ser | Leu | Arg | Thr | Arg | Phe | Gly | Met | His | Phe | Cys | Gly | Gly | Thr | Leu | Ile | 580 | 585 | 590 |
| Ser | Pro | Glu | Trp | Val | Leu | Thr | Ala | Ala | His | Cys | Leu | Glu | Lys | Ser | Pro | 595 | 600 | 605 |
| Arg | Pro | Ser | Ser | Tyr | Lys | Val | Ile | Leu | Gly | Ala | His | Gln | Glu | Val | Asn |     |     |     |

|   |     |     |     |     |
|---|-----|-----|-----|-----|
| 610   |     | 615 |     | 620 |
| Leu Glu Pro His Val Gln Glu Ile Glu Val Ser Arg Leu Phe Leu Glu |     |     |     |     |
| 625   |     | 630 |     | 640 |
| Pro Thr Arg Lys Asp Ile Ala Leu Leu Lys Leu Ser Ser Pro Ala Val |     |     |     |     |
|   | 645 |     | 650 | 655 |
| Ile Thr Asp Lys Val Ile Pro Ala Cys Leu Pro Ser Pro Asn Tyr Val |     |     |     |     |
|   | 660 |     | 665 | 670 |
| Val Ala Asp Arg Thr Glu Cys Phe Ile Thr Gly Trp Gly Glu Thr Gln |     |     |     |     |
|   | 675 |     | 680 | 685 |
| Gly Thr Phe Gly Ala Gly Leu Leu Lys Glu Ala Gln Leu Pro Val Ile |     |     |     |     |
|   | 690 |     | 695 | 700 |
| Glu Asn Lys Val Cys Asn Arg Tyr Glu Phe Leu Asn Gly Arg Val Gln |     |     |     |     |
| 705   |     | 710 |     | 720 |
| Ser Thr Glu Leu Cys Ala Gly His Leu Ala Gly Gly Thr Asp Ser Cys |     |     |     |     |
|   | 725 |     | 730 | 735 |
| Gln Gly Asp Ser Gly Gly Pro Leu Val Cys Phe Glu Lys Asp Lys Tyr |     |     |     |     |
|   | 740 |     | 745 | 750 |
| Ile Leu Gln Gly Val Thr Ser Trp Gly Leu Gly Cys Ala Arg Pro Asn |     |     |     |     |
|   | 755 |     | 760 | 765 |
| Lys Pro Gly Val Tyr Val Arg Val Ser Arg Phe Val Thr Trp Ile Glu |     |     |     |     |
|   | 770 |     | 775 | 780 |
| Gly Val Met Arg Asn Asn   |     |     |     |     |
| 785   |     | 790 |     |     |

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